

X17B1 SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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- ☐ 1. Check Padlock Log Sheet on X17B1 yellow board. All Padlocks must be closed.
- ☐ 2. Cable penetration shield upstream of double plug doors in place (top of wall - see photo)
- ☐ 3. Cement bricks in place along entire bottom length of the two X17 front end sawtooth plug doors (see photo)
- ☐ 4. X17B1 hutch exterior (right of door) - lead-covered KF blank flange over vacuum port when not in use.
- ☐ 4A. X17B1 hutch exterior (X17C side) - lead-covered KF blank flange over vacuum port when not in use.
- ☐ 5. X17B1 hutch interior – water cooled backstop/ Bremsstrahlung shield #3 down stream end of hutch (see photo)
 - ☐ Banded and in the beam path, Kirk key removed and placed in X17B1 Backstop SRU (outside hutch next to safety shutter control panel) **for X17B1 operation**
 - ☐ Banded and out of the beam path **for X17B2/B3 operation**
- ☐ 6. Bremsstrahlung Shield #1 (in front of MS Monochromator) in place and banded (see photo)
Inside Transport Hutch (view items through window if hutch is interlocked)
- ☐ 7. Bremsstrahlung Shield #2 (downstream end of hutch) in place and banded (see photo)
Inside Transport Hutch (view items through window if hutch is interlocked)
- ☐ 8. X17B1 hutch – threshold shielding bolted in place under door going into hutch.